

Appl. No. 09/837,493
Arndt, Dated November 12, 2004
Reply to Office action of August 12, 2004
Attorney Docket No. P13425-US1
EUS/J/P/04-3269

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-23. (Canceled)

24. (New) A method of processing streaming media in a communications system that includes an Internet Protocol (IP) network, the method comprising the steps of:

configuring a service for providing a media stream to a first entity, by addressing a gateway controller having a known Uniform Resource Identifier (URI) and including information relevant to the first entity;

initiating the media stream between the first entity and a second entity, with the first entity receiving, and the second entity sending the media stream via a first path that includes a gateway that is coupled to the IP network, the gateway being managed by the gateway controller;

negotiating a format that is acceptable to the first and second entities for each component of the media stream, wherein a component with an unacceptable format is converted by the gateway prior to forwarding to the first entity;

invoking the gateway controller, via a second path, to cause the gateway to process the media stream from the second entity;

processing each component according to the negotiated formats; and
sending the media stream on to the first entity.

25. (New) The method of claim 24, wherein the step of configuring a service is performed by the first entity sending a service request message from the first entity to the gateway.

26. (New) The method of claim 25, wherein the service request message includes an address for receiving the media stream.

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27. (New) The method of claim 24, wherein a voice component of the media stream is a Global System for Mobile communications (GSM) and the voice component is directed to the first entity via the IP network.

28. (New) The method of claim 24, wherein a video component of the media stream is in Motion Pictures Expert Group (MPEG) format and the video component is directed to the first entity via the IP network and if the format of the video component is unacceptable to the first entity the video component is sent to the gateway for conversion before forwarding the video component to the first entity.

29. (New) The method of claim 24, further comprising the step of the first entity sending a control protocol to the gateway controller to configure the service.

30. (New) The method of claim 24, wherein the service request includes the type of service.

31. (New) The method of claim 24, further comprising responding to the service request including address information associated with the gateway in the form of an IP address and a port number.

32. (New) The method of claim 28 further comprising transmitting the media stream over the IP network to the gateway wherein the video stream is processed and then transferred via the gateway to the first entity.

33. (New) The method of claim 27, further comprising transferring the voice component over the IP network directly between the second and first entity.

34. (New) The method of claim 24, wherein the first entity is a mobile terminal and the second entity is one of a terminal and an end user serving terminal.

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35. (New) The method of claim 24, wherein the URI of the gateway controller provides availability of external control by an entity having knowledge of the URI.

36. (New) A communication system, that includes an Internet Protocol (IP) network, for processing streaming media, comprising:

means for configuring a service for providing a media stream to a first entity by addressing a gateway controller having a known Uniform Resource Identifier (URI) and including relevant information pertaining to the first entity;

a gateway coupled to the IP network for providing a service for processing at least one component of the media stream, wherein the gateway is managed by the gateway controller;

means for initiating the media stream between the first entity and a second entity, with the first entity receiving, and the second entity sending the media stream via a first path that includes the gateway;

means for negotiating a format for each component of the media stream that is acceptable to the first and second entities, wherein a component with an unacceptable format is converted by the gateway prior to forwarding to the first entity;

means for invoking the gateway controller, by a second path, to cause the gateway to process the media stream from the second entity;

means for processing the at least one component of the media stream according to the negotiated formats; and

means for sending the associated media stream on to the first entity.

37. (New) The communication system of claim 36, wherein the means for configuring the service further comprises means in the gateway controller for receiving the service request by the first entity.

38. (New) The communication system of claim 36, wherein the service request message includes an address for receiving the media stream.

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39. (New) The communication system of claim 36, wherein a voice component of the media stream is a Global System for Mobile communications (GSM) and the voice component is directed to the first entity via a first path.

40. (New) The communication system of claim 36, wherein a video component of the media stream is in Motion Pictures Expert Group (MPEG) format and the video component is directed to the first entity via the IP network and if the format of the video component is unacceptable to the first entity the video component is sent to the gateway for conversion before forwarding the video component to the first entity.

41. (New) The communication system of claim 36, further comprising the step of the first entity sending a control protocol to the gateway controller to configure the service.

42. (New) The communication system of claim 36, wherein the service request includes the type of service.

43. (New) The communication system of claim 36 further comprising responding to the service request including address information associated with the gateway in the form of an IP address and a port number.

44. (New) The communication system of claim 36 wherein the gateway further comprises

means for processing a video component of the media stream and
means for transferring the processed video component of the media stream over the IP network via the gateway to the first entity.

45. (New) The communication system of claim 39, further comprising transferring the voice component over the IP network directly between the second and first entity.

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46. (New) The communication system of claim 36, wherein the first entity is a mobile terminal and the second entity is one of a terminal and an end user serving terminal.

47. (New) The communication system of claim 36, wherein the URI of the gateway controller provides availability of external control by any entity having knowledge of the URI.